



MAJ. GEN. W. C. WESTMORELAND, COMMANDING GENERAL of the 101st Airborne Division at Fort Campbell, Ky., left, presents Pvt. Thomas L. Martin a book in recognition of being the honor graduate of a parachutist school class of 314 enlisted men. The young soldier's father and mother, Mr. and Mrs. L. C. Martin, proudly look on. The father is a Y-12er in Building and Grounds and Mrs. Martin is a former Y-12er.

Son Of Y-12er Is Honor Graduate In Class Of 314 Paratroopers At Fort Campbell, Ky.

Pvt. Thomas L. Martin Called 'Outstanding Soldier' Of 101st Airborne Division Troopers

A son of a Y-12er is establishing quite a record for himself in the 101st Airborne Division at Fort Campbell, Ky., recently being designated the honor graduate among a group of 314 enlisted men at the army post. The young soldier is Pvt. Thomas L. Martin, whose father is L. C. Martin, a sign painter in the Buildings and Grounds Department. His mother, Mrs. Pauline Martin, is a former Y-12er, having worked in the cafeteria some years ago.

Young Martin is 18 years old and enlisted in Knoxville after graduating from Fulton High School. He now is assigned to Battery E, 319th Artillery, of the 101st Airborne Division.

Praised By General

Maj. Gen. W. C. Westmoreland, commanding general of the division, is high in his praise of Private Martin. In a letter to Rep. Howard H. Baker (R., Tenn.) which was forwarded to the young soldier's parents, General Westmoreland said:

"Private Martin volunteered for airborne duty and was trained as a parachutist in the division's airborne school. At the recent graduating ceremonies of his class, it was my pleasure to personally pin on his first pair of paratrooper's wings and to present him a certificate designating him the honor graduate among a group of 314 enlisted men. Martin is an outstanding young soldier. I am proud to have him in the 101st Airborne Division. His parents were here for the ceremony—and it is indeed a pleasure to have parents of these young paratroopers visit the division."

Given Book And Watch

In addition to being personally honored by General Westmoreland, Private Martin also was presented with a book, awarded every honor graduate of the school; and a trooper's watch, given by the non-commissioned officers of the division.

No wonder young Martin also was designated "Division Soldier of the Month" for December.

BIGGEST U.S. BIRDS

The three biggest birds in the United States are said to be the trumpeter swan, whooping crane and the California condor. The trumpeter swan is the heaviest, the whooping crane the tallest and the California condor has the widest wingspread.

State Spending For Chemicals Third In U.S.

Production, Research Facilities Costing \$87,680,000 Planned

Chemical production and research facilities costing an estimated \$87,680,000 will be constructed in Tennessee during 1960-61, the Manufacturing Chemists' Association has announced.

This includes \$5,630,000 for two projects planned and \$82,050,000 for 10 projects underway. Tennessee chemical producers in 1959 completed 18 projects costing \$94,545,000.

6.1 Per Cent Of Total
The Tennessee total on chemical construction expenditures for the three-year survey period (1959-61) is \$182,225,000—third highest figure in the nation and 6.1 per cent of the national total of \$3,001,670,000. The state total includes 30 privately-financed projects in 16 communities by 17 companies.

Tennessee, fourth in the total expenditures shown by the survey last year, is led this year only by Texas and Louisiana.

Largest Industry In State

Chemical production is the largest manufacturing industry in Tennessee. The state ranks ninth in chemical production with a value added by manufacture of more than \$546,458,000 annually. According to latest data, more than 43,000 persons are employed in the state's chemicals and allied products manufacturing. The annual payroll exceeds \$226,000,000.

In the classification by use category for Tennessee, facilities for inorganic chemicals (including special metals) lead in the survey this year with a combined three-year figure of \$79,995,000. Following are general organic chemicals, \$47,250,000; synthetic fibers, \$53,000,000; laboratories, \$880,000; fertilizers, \$600,000, and plastics and resins, \$150,000. A "miscellaneous" group includes \$350,000.

U. S. Spending Is High

Chemical production and research facilities costing an estimated \$1.657 billion will be constructed in the United States during 1960 and 1961, the association has announced.

In releasing results of its annual construction survey, the MCA announced that projects with a collective price tag of approximately \$1.344 billion were completed in 1959. This brings total construction costs for the three-year survey period—1959-61—to an estimated \$3,002 billion.

Projects Privately Financed

All projects are privately financed.

Texas is the No. 1 state with a total of \$792.503 million for the three survey divisions of planned construction, under construction and

Continued on Page 4

Y-12er Russell C. Blevins Heads Ridge Radio Club

Russell C. Blevins, of the Y-12 Electrical Department, is the new president of the Oak Ridge Radio Operators Club, the local organization of short-wave operators, usually known as "hams." Blevins call letters are K4EDB. At one time his entire family were licensed radio operators and the Y-12er, his wife and three children still hold permits.



FIRST PRIZE WINNER in the girl's division of the recent Oak Ridge High School Science Fair in physical sciences was Miss Linda Lawler, 17, above. She is the daughter of Russell G. Lawler, of the Y-12 Alpha Four Cascade Operations Department. Her project depicted the progress in making a formal dress through mathematics, home economics and initiative. A son of a Y-12er, Ed DeLong, 11, whose father is with Research Services, won first prize in the boys' biology division and also the grand championship of the fair.

UCC Is Building New Laboratory On Farm

Agricultural Research Planned By Company

Union Carbide Chemicals Company, Division of Union Carbide Corporation, will build a biological research laboratory on its research farm at Clayton, North Carolina. E. E. Fogle, President of the Chemicals Company, has announced.

He said the laboratory will conduct basic and applied biological research for the agricultural chemicals development program of Union Carbide. "We expect to have the laboratory ready to be occupied in August. Plans call for the building to cover 10,000 square feet. Attached greenhouses will provide 2,700 additional square feet of space," President Fogle stated.

Union Carbide currently is expanding its research farm to approximately 300 acres, Fogle explained, which will make it about twice its original size.

Dr. George Law, Vice President of Research for Union Carbide Chemicals Company, said the new laboratory, in conjunction with the Company farm, will carry on research related to insecticides, fungicides, weed killers, growth regulators and cotton defoliants.

Dr. Law said Gov. Luther H. Hodges and other state officials have acclaimed the laboratory as a welcome contribution to North Carolina's Research Triangle. Agricultural scientists at the laboratory will be able to work closely with researchers at North Carolina State, The University of North Carolina and Duke University.

CROW DIALECTS DIFFER

According to recent news stories, crows living in different sections of the country crow in different dialects. Zoologists declare that these differences make the crow conversation unintelligible between birds of different areas.

Spring Clean-Up Set April 24-30 For Y-12 Plant

Elimination Of Fire, Accident Hazards Aim Of Intensive Drive

The annual Y-12 Spring Clean-Up Week has been announced to be observed to run from Sunday, April 24, through the following Saturday, April 30. The objectives of the campaign, of course, are to make the Y-12 Plant—and the homes of Union Carbide Nuclear Company employees—safer and cleaner places in which to work and live through the elimination of fire and accident hazards.

Weather Hindered Housekeeping

The long and hard winter in these parts has made Spring Clean-Up Week activities particularly important this year. Throughout the Y-12 Plant—both inside and outside buildings—weather conditions have made good housekeeping difficult. As a result, more than the ordinary amount of trash, rubbish and excess material has accumulated in many places.

An intensive campaign to remove all these potential fire and accident hazards now is being planned by the Fire and Guard Department in cooperation with fire, safety and security coordinators from all divisions in the plant. The various divisions and departments will work together in making inspections to discover and eliminate such hazards and to put the plant in spic and span condition.

Similar family campaigns are urged of all UCNC employees in the Y-12 Plant to get rid of accumulated articles in their homes that might serve as a fire or safety hazard.

In both the Y-12 Plant and in the homes—there's no need to wait for Spring Clean-Up Week Observance April 24-30 to start carrying out the aims of the campaign—there's no time like the present to begin wielding the brooms and carrying out the trash.

Ridge Libraries Section Views University Facilities

The Oak Ridge Chapter of the Special Libraries Association held its March meeting last Friday in the main library of the University of Tennessee in Knoxville. The group toured the new wing recently added to the university library that includes the undergraduate library, rare books and new work areas for the catalog and other departments.

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
108 Days Or
3,482,000 Man-Hours
(Unofficial Estimate)
Without A Disabling
Injury
Through March 27
Phone 7755
For Daily Report
On Accident-Free Hours

The Bulletin

Published Weekly By And For
Y-12 Employees Of
UNION CARBIDE
NUCLEAR COMPANY
Division Of
UNION CARBIDE CORPORATION

GEORGE W. DOBBS Editor

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Rides Wanted, Offered

Ride wanted from West Haven, Knox County, to Central Portal, straight day. Kathryn Dumas, plant phone 7600, home phone Knoxville 2-0571.

Ride wanted from near Walker Chevrolet Co., Clinton, to Central or East Portal, C Shift. J. H. Shoemaker, plant phone 7272, home phone Clinton 1181-J.

Ride wanted or will join car pool from vicinity of C'est Bon Restaurant, Knoxville-Alcoa Highway, to North Portal, F Shift. Bill Maxey, plant phone 7-8246, home phone Knoxville 7-1374.

Ride wanted from 2918 Woodbine Ave., Park City section of Knoxville, to North or East Portal, straight day. I. V. Goins, plant phone 7780 or 7-8671, home phone Knoxville 4-0274.

Car pool members wanted from Garden Apts. section, Oak Ridge, to any portal, straight day. S. J. Auerbach, plant phone 7518, home phone Oak Ridge 5-5139.

Want to join or form car pool from upper East Drive to North or Central Portal, straight day. C. A. Horton, plant phone 7912, home phone Oak Ridge 2-1789.

Ride wanted or will join car pool from Clinton, vicinity of Spring St., Pop Hollow Road and Westbury Heights to West or Central Portal, straight day. Grady Bennett, plant phone 7-8204, home phone Clinton 1502-W.

Riders wanted from South and West Knoxville to any portal, straight day. Stanley W. Hilton, plant phone 7-8723, home phone Knoxville 7-7683.

Y-12ers With 15, 10 Years Company Service

Congratulations to the following Y-12 employees who will complete 15 and 10 years of Company Service within the next few days.

15 YEARS

Minnie T. George, Janitors, April 4.

10 YEARS

Ben W. Coward, Beta Two, April 1.

Athala H. Markland, Accounting and Budget, April 4.

TRINIDAD EXPECTS TOURISTS

The tourist industry in Trinidad is expected to materially increase with the opening of a new Hilton hotel in the city of Port of Spain.



"I guess you realize this finishes you as a trusted Indian guide, Little Elk."

No Foolin' — April's Nearly Here —

Month To Feature Garden Planting, Easter, Baseball Season And Other Interesting Dates

Now comes April—ushered in by April Fool Day and containing a wealth of interesting anniversary and birthday dates. It is the month of garden and flower planting—the baseball season opens and Easter Sunday will be observed on April 17. The birthstone of the month is the precious diamond and the month's flower is the sweet pea.

Here are some of those interesting dates to remember during April—

April 3, 1614—The Indian princess Pocahontas married the British settler in Virginia, John Rolfe.

April 3, 1860—Pony Express serv-



ice was inaugurated.

April 4, 1850—The city of Los Angeles, Cal., was incorporated.

April 6, 1909—Commodore Robert Perry discovered the North Pole.

April 9, 1865—Gen. Robert E. Lee

surrendered the remnants of the Confederate Army of Virginia to Gen. Ulysses S. Grant at Appomattox, Va.

April 12, 1861—The attack by Southerners on Fort Sumpter in Charleston, S. C., harbor launched the War Between The States.

April 13, 1743—Thomas Jefferson, third president of the United States, was born in Virginia.

April 18, 1906—San Francisco was devastated by earthquake and fire.

April 19, 1775—The American Revolutionary battles of Concord and Lexington, Mass., were fought.

April 23, 1791—James Buchanan, 15th president of the United States, was born.

April 27, 1822—Gen. Ulysses S. Grant, 18th president of the United States and commander of Union forces during the War Between the States, was born.

April 28, 1758—James Monroe, fifth president of the United States, was born in Virginia.



Come Friday will be a big day for the pranksters—what with All Fool's Day being on the calendar. So, don't take any wooden nickles and be careful about making phone calls to numbers you don't know. That Mr. Graves might very well be in a cemetery.

That's enough warning—everybody is on his own from here on out—so the Colyum Conductor will get along with the business of recording for posterity the goings on around the place.

SHIFT SUPERINTENDENTS AND UTILITIES

The Shift Superintendents and Utilities Division and the many friends he has made while working recently in Labor Relations extend their sincere sympathy to W. S. Porter, whose mother died last Thursday . . . Utilities sends its condolences to Don Bell, whose brother-in-law died last week . . . R. W. Brothers is vacationing in parts unknown . . . J. F. May, Steam Plant, went to Detroit, Mich., for his vacation . . . E. E. Robertson and E. S. Smith, Utilities are other vacationers of the period . . . Quirks in the divisional news—P. L. Beeler is building a new hot rod and E. R. Bailey has bought a new tractor so his wife can start landscaping . . . Jackie Ward, her hubby, Milo, of the Chemical Department, and their son, Jay, visited her folks in Gate City, Va., last week end . . . Long break visits were made by J. D. Toliver to see his father in Williamsburg, Ky., O. F. Jordan with his ill mother in Louisville, Ky., K. C. Caughron went to Paris, Tenn., to see his ailing sister; and J. C. Thompson saw kin folks in Athens, Tenn. . . . The mother of J. H. Thomas, who recently underwent surgery, is much improved . . . Welcomed back after their recent illnesses are J. A. McLain, C. A. Cox, J. O. Loy and C. D. Langley.

MECHANICAL OPERATIONS

The TW Shops submitted this picture of the newest addition to the pony herd of Earl Grissom, of

Shop has been passing out congratulations to two Grandpops during the past several days . . . Fred J. Dillehay attained his status when his daughter-in-law, Mrs. Harry Dillehay, the former Barbara Thomas, of Mechanical Maintenance, became the mother of a baby girl on March 5 . . . H. C. Inman has joined the club for the first time, but no further statistics are available . . . Newcomers Boyd H. Hobby, William H. Rodgers and Hillman N. Wright were warmly welcomed last week . . . Condolences are extended O. A. Hammonds, whose mother-in-law, Mrs. W. M. Welch, of Harlan, Ky., died March 21 . . . Rapid recovery wishes go to G. L. Miller and B. G. Hughes.

Seems like this business runs in the family. Last Thursday the Colyum received word from a new correspondent, one Ellen Culp, from the Forming Department. She is the charming wife of Dan Culp, who was a most capable standin and head holder for the CC for several months before leaving to sell lots of lots over in Knox County . . . Ellen reported the department is congratulating R. D. Seagren and his wife on the birth of their daughter, Tuesday, March 22, in Baptist Hospital, Knoxville . . . Condolences are extended Jay Coates, whose mother died recently.

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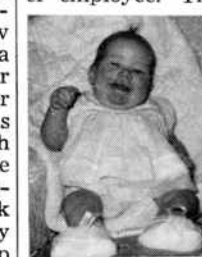
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INDUSTRIAL RELATIONS

News isn't so good from the Fire and Guard Department . . . Condolences are extended Capt. Dave Turner, whose father died recently; and also to Capt. W. R. McGill, whose brother, Fleming, succumbed a few days ago . . . Get well wishes go to Guards G. H. McGrath and Goebel Hoskins.

MAINTENANCE

This young lady lolling back in ease is the granddaughter of one Y-12er and the daughter of a former employee. The Grandpop is W. R. Duff, Research Services; and the mother is Bonnie Duff, formerly of Enriched Uranium Recovery in the Chemical Division. The little lady's name is Julia Marie Duff and she was born on New Year's Day, 1960.



New Year's Baby

After proclaiming merits of his two grandsons for some time, Bill Redden, Electrical, has been telling everyone about his new—and only—granddaughter. She is the daughter of Millard Redden, an ORNL chap in the Y-12 Area, and was born March 22, weighing in at six

Continued on Page 4



Linda Mann

Daughter Of Y-12er Proud Of Third 'Superior' Rating

Miss Linda Mann, daughter of R. P. Mann, supervisor of the Y-12 Steam Plant and ADP Utilities, has reason to be quite proud of her third "superior" award at the annual Spring Music Festival at the University of Tennessee Student Center March 19. This third "superior" award brings recognition of her ability to the attention of the National Junior Federated Music Clubs, from which she has received a pin honoring her achievement.

Of 47 young musicians from Oak Ridge taking part in the festival, nine were awarded the coveted "superior" rating.

Miss Mann is 13 years old and a piano pupil of Mrs. Joseph Greer. Linda is a seventh grade pupil at Jefferson Junior High School, member of the Junior Music Club, the Girls' Auxiliary at the Glenwood Baptist Church and of Girl Scout Troop No. 30.



Get well wishes are extended the following Y-12 employees who were patients last week in the Oak Ridge Hospital:

Ann E. Wenzler, Laboratory Operations; Goebel Hoskins, Guard; E. A. Marlar, Electrical; C. A. Boyd, Howard E. Shultz and C. J. Ward, General Machine Shop; James R. Bridges, Physical Testing; L. A. Walton, Buildings and Grounds; Shirley Forbes, Safety; Roy M. Rowan and J. E. Herron, Research Services; Lee Johnson, Sunflower Foundry.

NEW PLANT COMPLETED

Union Carbide has completed a new oxygen and acetylene plant at Transcona, Manitoba, Canada. The Linde Company plant, one of 21 in Canada, will provide users in the western area with oxygen, hydrogen and argon.

Have you heard the story about the two janitors. They were broom mates, swept together and were dust inseparable.

DON'T LET STRAIN



STAIN YOUR SAFETY RECORD!



THESE Y-12 RIFLEMEN WERE OUTSTANDING ON THE OAK RIDGE CHAMPIONSHIP team this past season. At left is Phil Vogelgesang, elected captain of the Y-12 team for next season. In the center is Ed Brady, voted the team sportsmanship award by team members. At right is Dave Dewalt, showing his rifle with the telescopic sight awarded him for leading the scratch average scorers with 281.

Dewalt Top Scorer On Y-12 Rifle Team

Vogelgesang Captain; Brady Top Sportsman

Team Capt. Dave Dewalt led the Y-12 riflemen in scratch average scoring during the season just closed with a fine mark of 281. The Y-12 team won the Oak Ridge Sportsmen's Association Winter League race for the second straight year, breaking a long string of titles captured by the Oak Ridge National Laboratory gunmen.

For the coming season the Y-12 team will be captained by Phil Vogelgesang, whose average for the past season was 252. He was elected by team members, who also voted the annual sportsmanship award to Ed Brady.

The scratch averages for the Y-12 team for the past season follow:

Team Member	Average
Dave Dewalt	281
Ed Brady	276
Otey Cottrell	276
W. B. Davis	273
Carl Brewster	272
Al Blay	264
Bob Powers	262
Phil Vogelgesang	252
Jack Huff	251*
J. V. Ledbetter	257*
George Peterson	256*
Mike Crews	245*
Harvey Coppock	234*

*Did not fire 60 per cent of scheduled matches.

Sunflowers Regain Lead In C League

The Sunflowers blossomed right back into the lead in the C League of Y-12 bowlers March 21 by the slim margin of one-half point by blanking the Par Busters for four points. Ousted from the top spot after a stay of one week were the Engineers, who could only take three points from the Chillers. The Alley Cats climbed to fourth place with a whitewash win over the D Shift team, just one point back of the Big Five, who took three from the Hookers. The SPs murdered Murderer's Row for four and the tail-end Knot Heads clouted the IBMs for three in other matches.

Ray Galford helped the Sunflowers along with his 574 scratch series. Taylor, Engineers, rolled a 222 scratch game, boosted to 250 with handicap and Butters, Alley Cats, had the top handicap series of 649. In team scoring it was the Engineers most of the way with an 895 scratch and 1045 handicap game and a 2954 handicap series. The Big Five's 2570 scratch series was tops of the night.

League standing follows:

Team	W	L
Sunflowers	36	12
Engineers	35½	12½
Big Five	29	19
Alley Cats	28	20
Par Busters	25	23
SPs	24½	23½
IBMs	21	27
Chillers	21	27
Hookers	19	29
D Shift	18	30
Murderer's Row	18	30
Knot Heads	13	35

Beavers Win Second Half Race In Bush; Clash With Alley Cats For Loop Title

The Beavers salvaged one point in their battle with the Alley Gators for first place and second half of the season title in the Bush League of Y-12 maple maulers on March 21. The Gators took three points from the leaders to end up two points shy of the lead. As a result of the Beavers' triumph, they were scheduled to roll the Alley Cats, first half of the season winners, on Monday night of this week for the loop championship.

In other league scraps March 21 the Balls O' Fire blanked the Hi Balls for four points, the Alley Cats took three from the Lucky Five, the Inspectors topped the Hot Rodders by the same score and the Nine Pins nipped the Rollniks for two and one half points.

The Inspectors' Fincher took all individual scoring honors with a 244 scratch and 269 handicap game, 576 scratch and 651 handicap series. The Alley Gators swept the score books in team scoring with marks of 844, 1021 and 2942 across the board.

Team	W	L
Beavers	23	13
Alley Gators	21	15
Balls O' Fire	20	16
Hi Balls	19	17
Lucky Five	18½	17½
Hot Rodders	18	18
Alley Cats	18	18
Nine Pins	16½	19½
Inspectors	15½	17½
Rollniks	7½	28½

Big Trout Readied For Tellico Streams

Some 53,000 keeper-size trout are now being conditioned for release in the waters of the Tellico Wildlife Management Area. The fish—rainbow and brown trout—range in size from 12 to 15 inches.

Ray Beaty, hatchery superintendent at the Pheasant Field Rearing Station, said this season's supply of fish for the Tellico area is without a doubt the best conditioned and well-developed trout to await opening day anglers.

Trout fishing in the Tellico Wildlife Management Area will open April 7.

14 ORPS Members Now Forecasters

A group of 14 members of the Oak Ridge Power Squadron, five of them from Y-12, successfully completed a course in weather forecasting recently staged under sponsorship of the squadron. The Y-12 group is composed of Gustave J. Angele, Burwell W. Bell, James W. Hodges, Richard E. Hulme and Dr. Kenneth S. Lane. Two women also were among the new "Weather Men and Women" of the squadron, they being Marian C. Fox, Atomic Energy Commission; and Ruth Slusher, Oak Ridge National Laboratory. Other graduates are George M. Banic, former Y-12er; Samuel M. DeCamp, Jr., Harry H. Hubbell, Jr., and Richard S. Lord, all of ORNL; and Henry C. Culbert, Melbern S. Smedley and Norman W. Snow, Oak Ridge Gaseous Diffusion Plant.

Center Hill Lake Gets First Trout

The first stocking of rainbow trout in Center Hill Lake has been completed with the placement of some 50,000 three-inch fish there, according to Phil Sharpe, district fisheries biologist for the Game and Fish Commission.

Sharpe said the small trout used in the stocking were scatterplanted by boat along 20 miles of the reservoir's shore line. The fish used in this initial stocking, he stated, were obtained from the commission's hatchery installation at Flintville where they were hatched and reared to their present size.

All-Carbine Bowling Tourney Draws Big Field For Action April 2, 3, 9, 10

Around 450 UCNC Maple Maulers To Compete With Y-12 Being Well Represented In Meet

Ten pins will be torridly toppling in wholesale numbers during the next two week ends at the Ark Bowling Lanes in Oak Ridge as the annual All-Carbine Bowling Tournament will be staged on Saturdays and Sundays, April 2, 3, 9 and 10.

Around 450 maple maulers from Y-12, Oak Ridge Gaseous Diffusion Plant and Oak Ridge National Laboratory will be competing for gold and glory in the big event.

111 Teams Are Entered

As of last Friday a total of 111 teams of both men and women bowlers had entered the big event. Singles competition will be brisk with 428 contestants while 214 doubles teams vie for top honors.

Y-12 will be represented by 21 men's five-man teams and three feminine contingents. Of the men's teams all but two pickup groups have rolled regularly in one of the plant leagues. The two pickup teams are composed of bowlers who have rolled with one of the plant loop teams during the season. The women's teams are composed of bowlers who have rolled in the Mixed League this season.

Team Events Set First

In men's doubles there will be 41 pairs from Y-12 with 71 bowling in singles.

The first week end of the tournament will see team events rolled with doubles and singles on the final two days of the event.

ORPS Piloting Classes To Open

"Safe Boating Is More Fun" is the motto of the United States Power Squadron. Y-12 boating enthusiasts can help make it their motto by attending piloting classes sponsored by the Oak Ridge Power Squadron, which will start at 7:30 P.M. next Monday, April 4, at the Squadron drydock (clubhouse) on Emory Road, Oak Ridge.

In these classes boaters can acquire the "know-how" and skill that will greatly increase the safety of their nautical activities, as well as the pleasure derived. The basic instruction course consists of 10 lectures open to all interested and prospective boaters without charge.

Subjects such as the new federal and state boating laws, rules of the road, seamanship, safety afloat, aids to navigation and charts will be covered in the courses.

Any Y-12ers interested in enrolling in the piloting classes are asked to communicate with G. J. Angele, past commander of the IRPS, at Oak Ridge, phone 5-2656.



Cool, Alley Cats Triumphs Feature Mixed League Play

The cats did howl, long and loud, at the bowling session of the Mixed League of Y-12 men and women last week. The Cool Cats clobbered the previously league-leading Phantoms for four, the felines exchanging their third place spot with the losers to rule the loop back fence. Then the Alley Cats tore into the Nip and Tucks for three with the victors climbing out of the cellar. In other loop matches the Scrapers sunk the Goofers for four and the Toppers held on to second place with a three-point win over the Pin Plasters. Only two points separated the first three teams after last week's alley activities.

Some high-power scoring by Joanne Osborne spurred the Alley Cats on their way out of last place. Herb Oliver, a sub rolling for the Scrap-



Herb Oliver Joanne Osborne

pers, also gave that team a boost. Both Miss Osborne and Oliver took all individual scoring honors. The feminine pin pounder came through with a 188 scratch game, boosted to 237 with handicap, a 473 scratch series and 620 handicap series. Oliver posted a 228 scratch and 243 handicap game, 568 scratch and 613 handicap series. The Cool Cats also swept the boards in team scoring with 669, 827, 1865 and 2339 across the board.

League standing follows:

Team	W	L
Cool Cats	29	15
Toppers	28	16
Phantoms	27	17
Nip and Tucks	22	22
Scrapers	20	24
Goofers	18	26
Alley Cats	17	27
Pin Plasters	15	29

Fishing At Ocee To Begin April 30

Henry D. Smith, area manager of the Ocee Wildlife Management Area, has announced that fishing on the Ocee Area is scheduled to begin April 30, and fishing will be permitted on Saturdays, Sundays and national legal holidays from that date through July 10, 1960.



THESE TWO BOWLING TEAMS IN THE Y-12 CLASSIC LEAGUE all are old-time Y-12ers with most of them having bowled together for several years. At left are the Has Beens, squad members from left being Jack McLendon, Joe Youngblood, Bill Mee,



Roy Roberts and John Reece. The Cubs, at right, are Lynn Cabe, M. B. Hilton, Leo Hemphill, John Snyder and Clyde Bowles. Although far down in the standings, both teams have provided serious opposition this season.

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Continued from Page 2

pounds, 14 ounces . . . **W. J. Wan-**
maker is spending a couple of
weeks in Florida recuperating from
his recent illness . . . **V. T. Callaway**
and his wife are up in Beckley,
W. Va., to visit her parents who
observed their 53rd wedding anni-
versary March 29 . . . Get well
wishes are sent **Bill Cobb, J. W.**
Rule, H. W. Kirkland, E. L. Marlar,
E. J. Hickie, J. M. Sinclair, R. L.
McKinney and W. L. Johnson . . .
The department brushed off its
red rug of welcome last week for
Granvel Underwood, a co-op from
the University of Tennessee.

Exploration of the outside world
seems to be the objective of Michael
Ray Shorter, the latest addition to



He Wants Out

the flock of
grandchildren of
E. P. McFarland,
Mechanical
Maintenance,
and Mrs. Mc-
Farland, of Vas-
per, Tenn. Mich-
ael is six and
one-half months
old and is the
son of Mr. and
Mrs. Joe Shorter
(the former
Miss Norma Rose
McFarland) of
Norfolk, Va. . . .
Mechanical Maintenance sends con-
dolences to **J. W. McNeal** and fam-
ily, his brother was killed a few
days ago in a Florida automobile
accident . . . Also to **J. E. Patt**,
whose father died March 11.

FINANCE AND MATERIALS

Nashville was the vacation selec-
tion of **E. Duncan**, Mail Room, last
week.

Best wishes are extended by Re-
production to **Mattie Wright, Al-**
berta Phillips and J. Lewis, who
are transferring to the Central Re-
production at ORGDP.

TECHNICAL

The Metallurgical and Develop-
ment group of Development Opera-
tions, is sending congratulations to
Mrs. Ruth A. Pridgeon, wife of
John Pridgeon, of that group. She
received her Bachelor of Science
degree in elementary education from
the University of Tennessee on
March 19.

Special Testing welcomed **R. E.**
Crabtree back to the fold last week
after his recent illness.

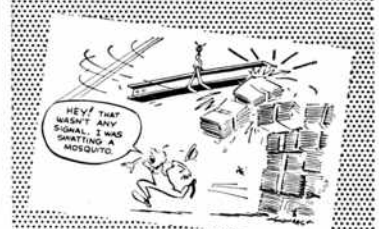
CHEMICAL OPERATIONS

Colex Operations sends rapid re-
covery wishes to **Henry Greene**,
sick with the mumps, 'cause they
sure do miss those peanut butter
crackers that he can't possibly enjoy
with his ailment . . . Goodbye wish-
es for success go along with Co-
opper **Howard Whitley**, returning to
Auburn University for another bout
with his books . . . **Hobart Bartley**
is attending a Masonic Grand Lodge
meeting in Nashville . . . Get well
wishes go to the mother of **R. A.**
Moore . . . The departmental weath-
er forecaster, **Ray Ellis**, believes
Spring is just around the corner and
he is so sure of it that he has
bought a new boat just for the
occasion.

The Chemical Department passed
out congratulations to two new
Proud Pops last week . . . **John**
York joined the club when a daugh-

ter, Faye Annette, joined the fam-
ily March 23, weighing eight pounds,
14 ounces . . . Then there's **John**
Turpin, who also welcomed a
daughter born March 20, weighing
six pounds, 10 ounces and named
Ann Marie . . . The department
mourns the death of one of its em-
ployees, **W. T. McGee**, who died
March 22, and condolences are ex-
tended the family . . . Back from
a taking-it-easy vacation in Oak
Ridge is **Lucy Parker** . . . Chemical
traded co-ops with the University
of Tennessee last week—**F. D. Smith**
returned to UT as **Joe Hall** joined
the department again for three-
months of employment.

Sho' hope that Forecaster Ellis
is on the beam.



From National Safety News
Published by
The National Safety Council



THE SPEEDY INDOOR SPORT OF TABLE TENNIS has become quite popular with Union Carbide Nuclear Company folks in Oak Ridge. At one of the new tables at the Wildcat's Den, where the game is widely played, Y-12ers John Peters, facing camera; and Gordon "Red" Bruner enjoy a spirited rally as W. B. Motley, in dark shirt, looks on with approval.

Wolves Repel Rebels To Extend Classic League Lead To 10 Points Over Rivals

The crown-craving Wolves increased their lead in the Classic League to 10 points on last Thursday night at the Ark Lanes by routing the Rebels for three points as their nearest competitors, the Bumpers and

Boat Number Forms To Be Available At Postoffices

All boats of more than 10 horse-
power operated on navigable wa-
ters of the United States must be
numbered under the federal boating
act of 1958 after Friday of this
week, April 1, it is pointed out by
Oak Ridge Postmaster Van Hicks.

On April 1 the Coast Guard will
start receiving applications for num-
bers in those states which have not
yet started their own numbering
systems, including Tennessee. Boats
documented by the Bureau of Cus-
toms are exempted under the fed-
eral boating law.

Postmaster Hicks has announced
that beginning April 1 applicants
for federal certificates of boat num-
bers may obtain application forms
Jackson Square and Grove Center.
The completed application form and
a \$3 fee must be filed at the Post-
office. At that time a \$3 federal
boating stamp will be attached to
the application and a temporary
certificate will be issued to the
applicant. This certificate will serve
as proof of compliance with the law
until such time as the application
has been processed by the Coast
Guard.

One Pound Of Scandium Produced By Metals Company

The Union Carbide Metals Com-
pany has announced production of
one pound of scandium. It is the
first time that such a "large" quan-
tity of the rare metal ever existed
in one place at one time.

The United States Air Force is
interested in scandium because it is
believed to have several unique
properties. It has a density compar-
able to aluminum, yet its melting
point of 1,550 degrees Centigrade is
about two and one-half times the
melting point of aluminum.

Joint Seminar Session Set At ORNL Auditorium Friday

A joint physics and neutron phys-
ics seminar will be held on Friday
afternoon of this week, April 1.
The session will be in the auditori-
um of Bldg. 4500, Oak Ridge Na-
tional Laboratory. J. A. Harvey, of
the ORNL Physics Division, will
speak on "Low Energy Neutron
Experiments and Recent Mossbauer-
Type Experiments in Europe." Y-12ers
interested in the topic are
invited to attend the meeting.

Playboys, both fell by the same
margins to the Eight Balls and the
Rippers. The Rippers climbed into
a three-way tie for second place.
The only shutout win of the night
was scored by the Smelters over the
Wasps. Other three-point victories
were posted by the Markers over
the Cubs, Sportsmen over the Has
Beens and All Stars over the Screw-
balls. The Swingsters and Tigers
rolled to a two-point each deadlock.
The Wolves had the top team
handicap scores of a 1024 game and
2936 series. Jack Spears, Rebels,
took most individual highs with a
244 scratch game, increased to 261
with handicap, and a 581 scratch
series. W. B. Motley, Sportsmen,
rolled a 642 handicap series.

League standing follows:

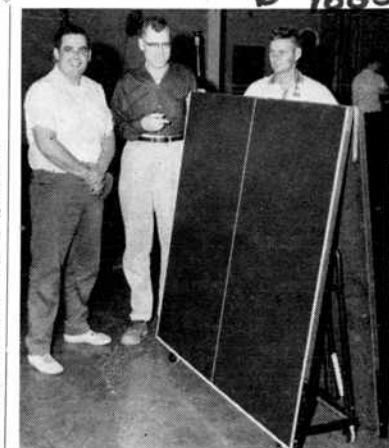
Team	W	L
Wolves	39	9
Playboys	29	19
Bumpers	29	19
Rippers	29	19
Swingsters	28½	19½
Markers	25	23
Screwballs	24	24
Sportsmen	24	24
Smelters	23	25
Rebels	20	28
Tigers	20	28
Eight Balls	20	28
Cubs	19½	28½
All Stars	19	29
Has Beens	18	30
Wasps	17	31

State Lakes Have 89 Access Areas

The development of public ac-
cess areas on Tennessee's TVA
lakes now total 89, according to
Lee Price, Access Area Supervisor
for the State Game and Fish Com-
mission. The completed areas on
12 impoundments include five on
Boone; two on Fort Patrick Henry;
nine of Cherokee; three on Doug-
las; eight on Norris; nine on Fort
Loudon; 18 on Watts Bar; 17 on
Chickamauga; 14 on Kentucky;
two on Pickwick and two on Hales
Bar Reservoir. These completed
areas, Price said, are now in use
and are affording ingress and e-
gress to many thousands of out-
door citizens.

The development of these areas,
Price pointed out, involves the
construction of boat launching
ramps, the clearing and grading of
adequate parking space, new road
construction and improvement of
existing access roads. This de-
velopment to insure continued
public access to the lakes was be-
gun in 1955 as a federal aid proj-
ect. As a federal aid project 75
per cent of the cost of the con-
struction of these areas is borne
by that agency, and the expendi-
ture of Game and Fish funds
amounts to about \$325 for each
area developed.

Avoid "Security Pitfalls."



THE HANDSOME NEW folding tables for table tennis at the Wildcat's Den in Oak Ridge are being inspected by Y-12ers John Peters, W. B. Motley and Gordon "Red" Bruner.

State Spending For Chemicals High

Completed (1959) construction. In
second place again is Louisiana with
\$370,905 million. Tennessee's figure
of \$182,225 million replaces Cali-
fornia in third place this year. Oth-
ers in the top 10 are California,
\$171,875 million; New Jersey, \$128-
789 million; Ohio, \$114,130 million;
West Virginia, \$111,545 million;
Kentucky, \$95,116 million; Mich-
igan, \$86,100 million and Illinois,
\$83,525 million.

The regional total shows the West
South Central States—Arkansas,
Louisiana, Oklahoma and Texas—
repeating in first place with a col-
lective figure of \$1,207 billion for
the three-year survey period.

East South Central Second

In second place this time are the
East South Central States—Alabama,
Kentucky, Mississippi and Tennes-
see—with a figure of \$349,741 mil-
lion. The South Atlantic States—
Delaware, Florida, Georgia, Mary-
land, North Carolina, South Caro-
lina, Virginia and West Virginia—
rank third with a figure of \$334,752
million. A total of \$329,245 million
gives the East North Central States
—Illinois, Indiana, Michigan, Ohio
and Wisconsin—their fourth place
ranking.

The chemical industry now has
more than 12,500 plants spread
through the 50 states and more than
862,000 employees on its payrolls,
according to the most recent data.
Its average capital investment for
each employee is \$30,933, compared
with an average of \$15,866 for all
manufacturing.

OLDEST OIL FIRM

The Jenny Manufacturing Co.,
Boston, Mass., is the nation's oldest
oil firm. It was formed in 1812 to
sell whale oil for illumination. Since
then it has handled alcohol, cam-
phene, kerosene and finally oil and
gasoline for the automobiles of to-
day.